

SWBAT

solve physics word problems on  
speed

Sep 4-7:31 AM

Welcome!!!

SECA CP Physics  
Tuesday 6 October 2015

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Room C-244



Have SchoolView up as you have make-up work out, please...

Centering  
= quotes

Opening Activity:  $SPEED = \frac{DISTANCE}{TIME}$   $S = \frac{d}{t}$

If we knew speed and distance, could we find time?  
How?

IDK YES

Sep 7-7:04 AM

Tuesday = Quote day!

Hey, hey, hey, hey-now. Don't be mean; we don't have to be mean, **cuz, remember, no matter where you go, there you are.**



REGRETTING CHANCES  
WE DIDN'T TAKE

DON'T LOOK DOWN UNLESS YOUR  
GOING TO HELP  
FOCUS SUCCESSES = HAPPINESS

Oct 5-8:06 AM

## InterActive Notebook - Table of Contents

Unit\_\_\_\_\_

Chapters\_\_\_\_\_

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Sep 5-9:09 AM

Who ever thought **ALGEBRA** would be useful??? It will help us know things about motion! You will need to be able to solve equations for the thing you don't know (you want to know)

### Algebra for Physics problems PG 19

1. Drawing a picture is recommended
2. Always make a list of what you know and want to know
3. Always write down the equation you are going to use as letters / symbols
4. Put in the things you know INCLUDING UNITS and then solve
5. Check if the answer is reasonable.

Ex #1:

$$s = 3 \text{ m/s}$$

$$t = 32 \text{ s}$$

$$d = ?$$

$$s = \frac{d}{t} \quad \boxed{d = s \cdot t}$$

$$(32)(3 \text{ m/s}) = \frac{d}{32 \text{ s}} \cdot 32 \text{ s}$$

$$9.6 \text{ m} = d$$


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Ex #2

$$s = 4 \frac{\text{m}}{\text{s}}$$

$$d = 25 \text{ m}$$

$$t = ?$$

$$t \cdot s = \frac{d}{s} \cdot t$$

$$t \cdot \cancel{s} = \frac{d}{\cancel{s}}$$

$$\boxed{t = \frac{d}{s}}$$

$$= \frac{25 \text{ m}}{4 \frac{\text{m}}{\text{s}}} = 6.25 \frac{\text{m}}{\frac{\text{m}}{\text{s}}} \text{ s}$$

$$= 6.25 \text{ s}$$

Oct 1-5:34 PM

Oct 6-10:19 AM